



Course syllabus

Faculty Board of Business, Economics and Design

School of Design

1DI109 CAD – Datorstödd design – Bas, 5 högskolepoäng

1DI109 CAD – Computer-Aided Design – Basic, 5 credits

Main field of study

Design

Subject Group

Design

Level of classification

First Level

Progression

G1N

Date of Ratification

Approved 2009-11-19

Revised 2011-06-14 by School of Design.

The course syllabus is valid from autumn semester 2011

Prerequisites

English B (subject area 6, except Social Studies A) and approved work samples.

Objectives

At the end of this course, students will have developed the skills to independently use computer-aided design as a basic tool in the design process. Students will have developed the necessary design skills to search for and assess skills, on the basis of a fundamental level of design knowledge.

Knowledge and understanding

Students will learn the following:

- demonstrate fundamental knowledge of computer-aided design
- reflect on computer-aided design and its effect on the design itself
- critically review computer-aided design as a tool in the design process

Ability and skills

Students will learn the following:

- implement, visualize and communicate their ideas through basic computer-aided

design

- describe their reflections, based on the perspective of CAD sketch tools and CAD communication tools

Evaluation ability and attitude

Students will learn the following:

- be able to critically review and see the relationships between various design principles and computer-aided design

Content

An overview of the subject of computer-aided design. Compulsory attendance during scheduled course elements.

Type of Instruction

The course includes theoretical information and practical computer workshops in groups, as well as individual tuition.

Examination

The course is assessed with the grades Fail (U) or Pass (G).

For the Pass grade, the expected study results must be achieved.

Re-examination is offered within six weeks, within the framework of the regular term schedule. The number of examination opportunities is limited to five.

Course Evaluation

A course evaluation will be carried out at the end of the course, in accordance with the guidelines of Linnaeus University. The evaluation result is compiled into a course report, which is archived at the school's administration office and discussed by the programme board. The result of the evaluation, and any measures taken, will be discussed with the course co-ordinator and presented to the students at the next course meeting.

Required Reading and Additional Study Material

Fafner, Göran *Kompendium i Designmodeller - Bas*. The University of Kalmar/Design Programme.

SolidWorks *Advanced Part Modeling*. SolidWorks Corporation.

SolidWorks *Getting Started Education Edition*. SolidWorks Corporation.

SolidWorks *Hands-on Quick Start Lesson Book*. SolidWorks Corporation.

SolidWorks *Teacher Guide and Student Courseware*. SolidWorks Corporation.

The list may be subject to changes.